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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/661,895	09/11/2003	Jian-Hsing Lee	67,200-1045	8524	
75	90 11/18/2005		EXAMINER		
TUNG & ASSOCIATES			NGUYEN, DANNY		
Suite 120 838 W. Long La	ake Road		ART UNIT	PAPER NUMBER	
Bloomfield Hills, MI 48302			2836		
		DATE MAILED: 11/18/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

				1021_		
8		Application No.	Applicant(s)	No.		
Office Action Summary		10/661,895	LEE ET AL.			
		Examiner	Art Unit			
		Danny Nguyen	2836			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence addres	5S		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAINS ions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONI	N. mely filed n the mailing date of this commu ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 11 Se	eptember 2003.				
2a) <u></u> ☐	This action is FINAL . 2b) ☑ This action is non-final.					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposit	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 1-18 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.	÷			
Applicat	ion Papers					
9) 10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ot	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1	- ,		
Priority (under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice 3) Information	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date	4) Interview Summan Paper No(s)/Mail D 5) Notice of Informal I 6) Other:		2)		

Application/Control Number: 10/661,895

Art Unit: 2836

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Wu et al (PN 2004/0105201).

Regarding claims 1, 10, 14 Wu discloses voltage excursion protection apparatus (figure 3) for an integrated circuit embedded in I/O section comprises an I/O section (the I/O section is coupled to the PAD 375 shown in figure 3) includes at least one output driver (such as the output drivers 330, 340, 391, 343), a pre-driver section (such as the feedback circuit) for establishing the state of said at least one output driver, the pre-driver section including a voltage excursion detection circuit (381-383) to detect an undesirable voltage excursion an to establish the at least one output driver into a predetermined event protective state when the undesirable voltage excursion is detected (e.g. page 1, 0012-0014, pages 2 and 3, 0021-0024).

Regarding claim 2, Wu discloses the at least one output driver is a low side driver (e.g. 343).

Art Unit: 2836

Regarding claim 3, Wu discloses the at least one output driver is a high side driver (e.g. 340).

Regarding claims 4-6, 8, 9, 15, 18, Wu discloses the voltage excursion detection circuit includes a diode string (381-383) referenced against a predetermined point (346).

Regarding claims 7, 16, 17, Wu discloses the I/O section further includes at least one dummy transistor (e.g. 310).

Regarding claims 11-13, Wu discloses the at least one output driver is a MOSFET (e.g. 343) and establishing the MOSFET into an off state (page 1, 0012-0014).

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is (571)-272-2054. The examiner can normally be reached on Mon to Fri 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571)-272-2058. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/661,895

Art Unit: 2836

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dh

DN 11/10/2005

BRIAN SIRCUS

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Page 4